



PCT09

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,372C

DATE: 10/24/2002

TIME: 16:22:51

Input Set : A:\JAB-1430.txt

Output Set: N:\CRF4\10242002\I857372C.raw

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3 <110> APPLICANT: Contreras, Roland
4     Nelissen, Bart
5     DeBacker, Marianne
6     Luyten, Walter
7     Viaene, Jasmine
8     Logghe, Marc
10 <120> TITLE OF INVENTION: Drug Targets in Candida Albicans
12 <130> FILE REFERENCE: 53731/000
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/857,372C
15 <141> CURRENT FILING DATE: 2001-09-24
17 <150> PRIOR APPLICATION NUMBER: 982204122.0
18 <151> PRIOR FILING DATE: 1998-12-04
20 <160> NUMBER OF SEQ ID NOS: 22
22 <170> SOFTWARE: PatentIn Ver. 2.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 438
26 <212> TYPE: DNA
27 <213> ORGANISM: Candida albicans
29 <400> SEQUENCE: 1
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31 taactgatga acaattgaat accattgcat tgacatttgg ttttgcttca ataatatata 120
32 tcataatata tcattgccata tctactaatg tacataaatt agaagatgaa accccatcat 180
33 cttcatttac cagaacaaat actactgaaa ctactgttgc aagtaagaaa aagaagtaat 240
34 aactgatgga tttttcttcc taccaccaat tgaataatgc tagacttggt ggtgtgctac 300
35 aaatatttca aaagaaaata cgaatacttt ataaaatggt aagaacggaa gatggtttct 360
36 catttatata ctaaaataca atcacatata catacacaaa cacaatatca tacatacacc 420
37 tatatccctt tatttgat                                     438
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40 <211> LENGTH: 1380
41 <212> TYPE: DNA
42 <213> ORGANISM: Candida albicans
44 <400> SEQUENCE: 2
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47 actattgggtc atgttgatca tggtaaaact acattgactg ctgctatcac caaagtttta 180
48 gccgaacaag gtggtgccaa cttcttggat tatggttcta ttgatagagc tccagaagaa 240
49 agagctagag gtatcactat ttccactgcc cacgttgaat acgaaaccaa gaacagacac 300
50 tatgcccacg ttgattgtcc aggacacgct gattatatca aaaatatgat tactggtgcc 360
51 gctcaaatgg atggtgctat cattgttgtt gctgccactg atggtcaaat gcctcaaacc 420
52 agagaacatt tgttattggc cagacaagtt ggtgttcaag acttggttgt gtttgtcaac 480
53 aaagtcgata ctattgatga ccctgaaatg ttggaattag tcgaaatgga aatgagagaa 540
54 ttgttatcca cctacggttt tgatggtgac aacactccag ttattatggg atctgcttta 600
55 atggccttgg aagacaagaa accagaaatt ggtaaggaag ctatcttgaa attgttagat 660

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56 gctgtcgatg aacacattcc aactccatca agagacttgg aacaaccatt tttgtttacca 720
57 gttgaagacg tgttctccat ctccggtaga ggaactgttg tctactggtag agttgaaaga 780
58 ggtgttttga agaaggggtga agaaatcgaa attgttggtg gttttgacaa accttacaag 840
59 actactgtta cgggtattga aatgtttcaa aaagaattag actctgctat ggctgggtgac 900
60 aactgtgggtg ttttgttaag aggtgtttaa agagatgaaa tcaagagagg tatggttttg 960
61 gccaaaccag gtactgctac ttctcacaag aagttcttgg ctctccttga tattttgact 1020
62 tccgaagaag gtgggtcgtt cactccattt ggtgaagggt acaagcctca atgcttcttc 1080
63 agaactaacg atgtcactac cacattttca tcccagaag gagaagggtg tgatcattct 1140
64 caaatgatca tgccagggtg caacattgaa atgggttggtg aattgatcaa atcttgtcca 1200
65 ttagaagtca accaacgttt caacttgaga gaagggtggtg aaactgttgg tactgggttg 1260
66 attaccagaa tcacgaata aacagaatgt gcactgtgaa taataaaaag aaaagaggta 1320
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69 <210> SEQ ID NO: 3

70 <211> LENGTH: 2283

71 <212> TYPE: DNA

72 <213> ORGANISM: Candida albicans

74 <400> SEQUENCE: 3

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76 aaactacatt aatggaagta acacaacgga cgcagagtca gacacaacca acacaacagt 120
77 caccgacaac tcagacgcaa acccaaagca aagaggacca gaataggatt tgtcaattga 180
78 tttgtctcac ggggtcagttt ggcaattatg atttgaatat caacgataaa actatcgtac 240
79 aaggtaaaat gacgtgggat tttggaagag accccaactc agatttgcaa gtggcgctcg 300
80 cgtcgagaat ttcaaacaaag cattttcaaa tctgggtcaa cttcaatgat aaatcactat 360
81 ggataaagga cacttcaact aacgggacac accttaacaa cagtcgattg gtgaaaggat 420
82 caaactacct tcttaatcag ggtgatgaaa tagcagtagg ggttggtaga gacgaggacg 480
83 ttgtgaggtt tgtcgtttgtc tttggtgaca aatacaaccc ggcaaagcta cctgattcga 540
84 ccaacacaat taaagatgaa ggaatataca aagactttat tgtgaaaaat gaaacgatag 600
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86 cgggtgaagat tataaatcga agaaaagcat taaataccgg tgggtggaagt gccatggcag 720
87 gagtggaccg tgaattgtcc atattagagc ggctcaacca cccaaatata gttgctctaa 780
88 aagcttttta tgaagatatg gacaattact atattgtgat ggaattgggt cccggcggtg 840
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90 cgaaacagat tctagaagga attgcctatg ttcataattt aggaatctcc catcgtgatt 960
91 tgaagccaga taatattttg attatgcaag atgacccaat acttgttaaa atcaccgact 1020
92 ttggattggc aaaattcagt gacaatctga cgtttatgaa aactttttgt ggtacattgg 1080
93 cgtatgttgc tccgaaggtt atcaccggtg agtatggatc atcgcatag gaactgcaac 1140
94 aaaaggacaa ctactcttcc ttggttgaca tttggtcttt gggatgtttg gtttatgtac 1200
95 ttttaacttc tcattttacca ttcaacggga aaaaccagca acaaagtgtt gccaatatca 1260
96 aaaggggcga atttcatgag gctccattaa attcatacga catttctgaa gacggaagag 1320
97 atttcttgca gtgctgccta caggttaatc cttaaactaag gatgacggct gctgaagctt 1380
98 tgaacataaa atggttgcaa gacttgtatg aagaggattc tgtcaaatac ttgagtttat 1440
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104 ttgcggaaga ctacttgaag ttggggccac ttgcaaattc gttattccaa gaaacaataa 1800
105 atatttcaaa gtccccgttt tctttcggaa gaaatgacac ttgtgattgc gagatagacg 1860
106 acgacagact atccaaactt cattgtgtca ttaccaaaaga aaacgactct atatggttat 1920

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107 tggataagag tactaactcg tgcttgggtca acaataactag tgttggaaaa ggcaacaaag 1980
108 ttttgcttag aggaggggag atattacatc tcttctttga cccattgtca ctgcaacata 2040
109 taggtttcaa agtagtcctt gttgatcaac tgtctggtga acataagagt caagtggagg 2100
110 ttttgaaaca aacctcagaa gaaatgaata ttattccact tatttctggt ttaagtagta 2160
111 taagttcata gatttagcat atatacaagc atttcctata gaaacaaagg ttcattaatt 2220
112 tagttattta cctccatgca attacattta cttcttcttc caagggcgaa ttctgcagat 2280
113 atc 2283

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115 <210> SEQ ID NO: 4

116 <211> LENGTH: 826

117 <212> TYPE: DNA

118 <213> ORGANISM: Candida albicans

120 <400> SEQUENCE: 4

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121 atgggtagta tgtgaagata caatattgaa agtgtttact agaatatcta agatgtttga 60
122 gcccatggac atttttggat ttgataatta aaaaaagtag caatagatta ttgcgttgga 120
123 gaaagaatca ccatagttgc aagatttgat agatgttaaa atgttcacgc aggcgaaaga 180
124 tgtaacatct cttaaagtaa gaagaatatg gacatgaata aaaatagata gcactatatt 240
125 ggaacttggt gaagatatta aaatagaatg ggatttcaac atagatatct aaagtaacga 300
126 aacctcacia tcaataaaaa acaacagtaa tactaacaat tcaattttta tttttataga 360
127 gggtaactcca tcttttaggt aacgtcacaa caaatctcac accttatgta acagatgtgg 420
128 cegtcgttca ttccacgtcc aaaagaagac ctgttcttct tgtggttacc cagctgctaa 480
129 aatgagatct cacaactggg ccttaaaagc caaaagaaga agaactactg gtaccggtag 540
130 aatggcttca ttgaaacacg ttaccagaag attcaagaac gggttcctaa ctggtgttgc 600
131 taaagctcaa accccttcg cttaaaacta ttactgaagt tattggtcat gcattagtca 660
132 ttattcatta aagtcatggt aagcatagca aaggaagaat tggttagatt cttgtttaaa 720
133 atgtaatgac tatttaatat ctgtttaaat aagaggttta gtctttattt ttttacgtat 780
134 acaccaaaaa aaaaagaac aaataaaatc tgtatattaa tgttgg 826

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136 <210> SEQ ID NO: 5

137 <211> LENGTH: 978

138 <212> TYPE: DNA

139 <213> ORGANISM: Candida albicans

141 <400> SEQUENCE: 5

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143 gtttttgtag aaataaaaaca tgaaaagaat aaacaacgtc ataagcaaag agccgaaaga 120
144 gctaaggaag aaagagaaaa ccccgaatta agagaggaaa gaatagcagc taatatccca 180
145 gatactatag atagcaaacg tatttatgat gagactatag ctgctgaagt tgaaggagat 240
146 gacgagtttc agtcatatct cactaacttg ttggaagaac caaagatttt gttgacaaca 300
147 agtgccaatg ctaaaaaacc ggccatgaa ttgacagaca tgatcatgga ctttttaccg 360
148 aatgtgacat ttatcaaaag gaagaaggaa tatacaatgc aagatatggc caaatattgc 420
149 tcgaatagag acttctactg attgcttgtc atcaacgaag acaagaagaa ggtcaatggg 480
150 ataacgtcga tcaatttacc tgaagggcca acattttatt tttcgattac atcaatagtt 540
151 gatgggaaaa gaatttaagg acacgggaaa gctggtgatt atttacctga gattgtattg 600
152 aataatttca attcaagatt gggtaaaact gtgggaagac tatttcaaag tattttccct 660
153 cataaacctg aacttcaagg aagacaagtg attactttgc acaatcaacg tgattatatt 720
154 tttttcagaa gacatagata ttttttcaga aatgaggaaa aggttggatt gcaggaattg 780
155 ggtccgcagt ttacattaaa gctaagaaga atgcaaaagg gagtacgtgg tgatgttgtt 840
156 tgggaacaca gaccagatat ggaaagagat aagaagaagt tttatttata agcgggtgta 900
157 taaaggtagt agtagtgcgt ttataagtat gtgtgtgtgt ttatgcatag atgtgtaaag 960
158 agtaatacag ctaattcg 978

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160 <210> SEQ ID NO: 6

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161 <211> LENGTH: 619
162 <212> TYPE: DNA
163 <213> ORGANISM: Candida albicans
165 <220> FEATURE:
166 <221> NAME/KEY: misc_feature
167 <222> LOCATION: (597)...(598)
168 <223> OTHER INFORMATION: n = any nucleotide
170 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: (613)
173 <223> OTHER INFORMATION: n = any nucleotide
176 <400> SEQUENCE: 6
177 aactaatttg tttaaacatc aataccaaga agttttttaca attcaatccc acatacacca 60
178 ttaattatga attctgaaaa gattattgaa gttatcattg ctattttctt accaccagta 120
179 gctgtgttta tgaaatgtgg tgccactacc ccattatgga ttaacttggt attatgtatc 180
180 tttatttggt tccctgctat cttacatgcc ttatacgttg tgttgaaaga ttaaacaac 240
181 accagagatt tactgcttga tgaattgatt actccaaaga gttgtgacta gttcccagtg 300
182 tgtttttttt gccttccaac tttcttttac atttttccat tactaccact gtcttcccc 360
183 ctattttgca gagttttcaa aatttatcca aaacatgtta gtcattaaac catattatta 420
184 taattattct tttttgtatt tttttccctt aaaacacggt aatttattaa tcgtttcggt 480
185 gtttggtatt ttattttttt gtatttatca attggaatat atatctatac atgaatttat 540
W--> 186 tatccattgt accaattggt aaaacatttt gttagttttt tgttactagt ataaaannat 600
W--> 187 aataaaagt tanttcaac 619
189 <210> SEQ ID NO: 7
190 <211> LENGTH: 2319
191 <212> TYPE: DNA
192 <213> ORGANISM: Candida albicans
194 <400> SEQUENCE: 7
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196 ccataaatct tggaaatcgc agccaccaat tctcaaaata aatcgagaag gctaagtatg 120
197 gataatggtc attgttatgt tcgtgaatca actaataatc atcatcattt aaataccgtc 180
198 gttgataatt tacgacagcg tgcgggatcg ttttcattta tttcacatca ccataatcac 240
199 catcagaata gtcacgataa ttatactgtc gatccccctt catcaaacgg agcacgaatt 300
200 tcccgatcac gttcacgttc caaatcagtt gggcacggag aagcaatatc accagcgtat 360
201 ttttccaaga ataaaacca agatttagtg aaacaggaaa cagcacatat cattctgaag 420
202 aaattactca acatgttaca agatttggat ttacaaaacc ctattgcatt gaaaacaata 480
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204 taattaccag cagcaagttc aacaagtttc acttatgaag atgatgaaa tggcggcggt 600
205 ataattgctg aagatagaaa tgatgaaatg ccaacagcag ttaataacaa tactttgtca 660
206 atggatagta taaatcattc agagactgat ttcctggatt ctccaccacc tccagattta 720
207 ttttctaaaa tgaaatcatt ccattcacca aattacttga cttcaaaaat cgattctgaa 780
208 tgtccaattc cacatacatt tgctgtgatt gttgaattaa ccaaggactc tttgattatt 840
209 aaagatcttc atttccaatt tcagtcatta actaccattt tatggccaac tggggatgca 900
210 tataatcgga ctcatgcca ggagaaattt accattggga atatggaatg gcgtacatct 960
211 ttaagcgacg ccgactatta tatcaatagt tctaattcca acgatgttaa gctgaaaaac 1020
212 ttgggtcctg aagatcttat taatcgaact agagaataca aattaatcga tattgaagaa 1080
213 ccaaacaatt catcaaacag tttactggat gatgacatgg atattaataa tattacgtcg 1140
214 ccattatcaa cgtcaccaac atcaagttca acttcaacaa attcaacctc caactcattg 1200
215 ggttcagatt catataaagc tgggtctttat gtatttttat taccaatctt attgccagaa 1260

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216 catattcctg cttccattgt ttctattaat ggttcattgg ctcatacatt actggttgaa 1320
217 tgcaataaat atactgataa gttgaatcgg aaatcaaaag tatcagcatc gtacaattta 1380
218 cctatgggtcc gtactccacc aaacattggg aattccattg ctgataagcc aatttatgtt 1440
219 aataggatttt ggaatgatgc cgtacattat attataactt tccccgcaa atatgttact 1500
220 ttgggttgtg aacacatgat aaatgtgaaa ttactgcca tgggtgaaaga tgtggttata 1560
221 aagcgtatta aatttaattgt attggagaga ataacttatg tttccaaaaa tttatcacga 1620
222 gaatatgatt atgatagtga agacccttat tgtattcatc cagttttctaa agaaaataaa 1680
223 gtacgtgaac gtgttgtgtc gttatatgaa ttgaaaacga aggcaaaaca atcttctggt 1740
224 ggacatcttg aagcttataa acaagaagtt atgaaatgtc cggaaaataa ctttttattt 1800
225 tottgttatg aggttgaaaa tgataataat aacggcaacg gcaacggcaa cggcaacgga 1860
226 aacaagaacg ttaaacaaaa gaataaagat caaccaatga ttgctacacc tttagatata 1920
227 aatgtttctt taccattttt aactactatg tctgatagtt taattatgac atcagccata 1980
228 gaagaagaag gttcagatct gcctcatata tcaagaagag ggtcggcagt gagtatgact 2040
229 gataataata ctaccccaa taacaataac cttttatctc cttttttggg agcagtggaa 2100
230 actaatggtg ctagtataaa tgaaattggt gatcatatat tattccctga ttctaatttt 2160
231 cgacatattg aaattaaaca tcgattacaa gttacattta ggattttctaa accggatctg 2220
232 gataataaaa tgcataatta tgaagtgtt attgataccc ccatacgtttt acttagttca 2280
233 aaatgtcaag aagattctcc tcctccttat agttctgta 2319

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235 <210> SEQ ID NO: 8

236 <211> LENGTH: 255

237 <212> TYPE: DNA

238 <213> ORGANISM: Candida albicans

240 <400> SEQUENCE: 8

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242 actctttgtc aattaatgct gtacttgttt tcattttatt tgctggcatt taaagaatac 120
243 ccatagttca gaaaataaaa ttgaaaaatt taaaaaaaaa cgcaatatca ttcatttttt 180
244 ttgttttttt gacaataata ttaatatgta gttaccaatg tttttagatt ttatatgttt 240
245 tgaaaaaata gtttg 255

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247 <210> SEQ ID NO: 9

248 <211> LENGTH: 119

249 <212> TYPE: DNA

250 <213> ORGANISM: Candida albicans

252 <220> FEATURE:

253 <221> NAME/KEY: misc_feature

254 <222> LOCATION: (45)

255 <223> OTHER INFORMATION: n = any nucleotide

257 <400> SEQUENCE: 9

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W--> 258 aaccttacaa tcattatacc aactatcaaa atcataagac tcttnaactt ctgtttttga 60
259 tagttggtat aatgatttat gtattatctt aattcattat tattagtttc ggtcacaaa 119

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261 <210> SEQ ID NO: 10

262 <211> LENGTH: 60

263 <212> TYPE: PRT

264 <213> ORGANISM: Candida albicans

266 <400> SEQUENCE: 10

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267 Met Ile Thr Asp Glu Gln Leu Asn Thr Ile Ala Leu Thr Phe Gly Phe
268   1           5           10           15
270 Ala Ser Ile Ile Leu Ile Ile Ile Tyr His Ala Ile Ser Thr Asn Val
271           20           25           30
273 His Lys Leu Glu Asp Glu Thr Pro Ser Ser Ser Phe Thr Arg Thr Asn

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 597,598,613

Seq#:9; N Pos. 45

VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:540
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:600
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:797 M:283 W: Missing Blank Line separator, <220> field identifier